

Application No. 09/745,323
Amendment dated July 1, 2004
Response to Office Action of March 1, 2004

Atty. Docket No. 042390.P9916
Examiner Rosen, Nicholas
TC/A.U. 3625

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1. (Currently Amended) A method to electronically represent a work,
2 comprising:
3 storing in a manifest a first reference to a first digital resource, and a first meta-
4 data describing the first digital resource;
5 storing in the manifest a second reference to a second digital resource, and a
6 second meta-data describing the second digital resource; and
7 storing in the manifest a structural relationship between said first and second
8 digital resources;
9 wherein the manifest comprises structure corresponding to a physical structure of
10 the work.

11 2. (Original) The method of claim 1, wherein the work is a digital
12 representation of a physical good, and the manifest comprises structure corresponding
13 to the physical good.

14 3. (Original) The method of claim 1, further comprising:
15 storing within the manifest selected ones of: purchasing data for the work,
16 purchasing data for said digital resources, intended audience ratings for said digital
17 resources, content ratings for said digital resources, and processing rules describing
18 how a machine is to process the manifest.

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1 4. (Currently Amended) A method for defining a manifest for a specific
2 digital representation of a work, comprising:
3 storing in the manifest a first reference to a first digital resource;
4 storing in the manifest a first meta-data describing selected ones of the manifest
5 and the first digital resource; and
6 making the [first] manifest available for receiving by a receiver; and
7 associating the first reference and the first meta-data so that the manifest
8 comprises structure corresponding to a physical structure of a physical good.

9 5. (Currently Amended) The method of claim 4 [3], wherein said first
10 digital resource includes selected ones of audio data, video data, audiovisual data,
11 image data, binary data, world wide web documents, virtual reality data, textual data,
12 holographic data, and programming language programs.

13 6. (Original) The method of claim 4, wherein the first meta-data
14 comprises an intended-audience attribute.

15 7. (Original) The method of claim 4, further comprising:
16 storing purchasing data for the first digital resource in the manifest to facilitate a
17 purchase decision by a receiver of the manifest.

18 8. (Currently Amended) The method of claim 7 [6], further comprising:

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1 storing in the manifest a second reference to a second digital resource, said first
2 and second digital resource encoding an original resource with differing encoding
3 quality; and
4 setting prices in the purchasing data for said first and second resources based at
5 least in part on said encoding quality.

6 9. (Original) The method of claim 4, further comprising:
7 storing in the manifest a second reference to a second digital resource related to
8 but not included in the physical good.

9 10. (Currently Amended) The method of claim 9, further comprising:
10 storing in the manifest a second reference to a second digital resource, said first
11 and second digital resource encoding an original resource with differing encoding
12 quality; and
13 setting prices in a [the] purchasing data for said first and second resources
14 based at least in part on said encoding quality.

15 11. (Original) The method of claim 4, further comprising:
16 storing content ratings information within the manifest so that the receiver can
17 filter content according to said content ratings.

18 12. (Original) The method of claim 4, further comprising:
19 storing digital rights management information within the manifest.

20 13. (Original) The method of claim 4, further comprising:

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1 storing authentication information within the manifest.

2 14. (Original) The method of claim 4, further comprising:
3 storing in the manifest a second reference to a second digital resource, said first
4 and second digital resources encoding an original resource with differing encoding
5 quality.

6 15. (Original) The method of claim 4, further comprising:
7 encoding the manifest with a hierarchical tag based markup language; and
8 structuring the manifest with respect to a rules-based grammar.

9 16. (Currently Amended) A method for processing a collection of digital
10 content received by a receiver having at least one policy affecting receipt of collections,
11 comprising:
12 receiving a manifest for a work comprising a description of data stored by the
13 collection, a reference to a first digital resource, and meta-data describing the first digital
14 content, wherein the manifest comprises a relationship between the reference and said
15 meta-data so that the manifest includes structure corresponding to the work;
16 testing compliance of the description with the policy;
17 determining if the manifest can be edited to comply with the policy; and
18 responsive to determining the manifest cannot be edited [if not], disposing of
19 the manifest.

20 17. (Original) The method of claim 16, further comprising:
21 providing a search query for locating digital content to a search agent; and

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1 receiving the manifest in response to the search query.

2 18. (Original) The method of claim 16, further comprising:
3 the manifest further comprising a second reference to second digital content,
4 second meta-data describing the second digital content, and purchasing data for said
5 first and second digital content;
6 deciding to obtain the collection;
7 determining the first digital content was not previously obtained;
8 determining the second digital content has been previously been obtained; and
9 purchasing only the first digital content in accord with said purchasing data.

10 19. (Original) The method of claim 16, further comprising:
11 the manifest further comprising a second reference to second digital content,
12 second meta-data describing the second digital content;
13 deciding to obtain the first collection;
14 determining the second digital content has been previously been obtained, said
15 determining being based on the second digital content already being present in a
16 selected one of: a cache, another collection, or a local storage device; and
17 obtaining only the first digital content.

18 20. (Currently Amended) A digital content management system, comprising:
19 a storage for storing digital content collections, wherein a collection comprises a
20 link reference to digital content, and meta-data describing selected ones of said digital
21 content and the collection;

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1 a communication agent communicatively coupled to the storage;
2 a receiver communicatively coupled to the communication agent, said receiver
3 configured to inspect said meta-data and process the collection accordingly, wherein
4 said processing the collection includes comparing the meta-data to a policy and editing
5 the meta-data, if necessary, to comply with the policy; and
6 a transmitter communicatively coupled to the communication agent, said
7 transmitter configured to inspect the reference to digital content to confirm retrievability
8 of the digital content, and to make the collection available to other digital content
9 management systems.

10 21. (Original) The system of claim 20, further comprising:
11 a creation tool for creating the collection; and
12 a user interface communicatively coupled to the creation tool, said user interface
13 having a first interface tool to facilitate selection of the digital content, and a second
14 interface tool to facilitate entering said meta-data.

15 22. (Currently Amended) The system of claim 21, further comprising:
16 a search agent configured to receive [a] search criteria and search for digital
17 content collections satisfying said search criteria; and
18 a commerce agent comprising a purchasing tool configured to determine
19 purchasing requirements for received digital content collections, and a payment tool
20 configured to purchase digital content in accord with said purchasing requirements.

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23. (Original) The system of claim 20, wherein digital content collections are encoded with a hierarchical tag based markup language.

24. (Original) The system of claim 20, further comprising:
a policy checker configured to check digital content collections received by the communication agent against a policy of the receiver;
a digital content collection editor, communicatively coupled to the policy checker, said editor configured to change digital content collections to comply with the policy;
and
a digital content collection rejecter, communicatively coupled to said editor, said rejecter configured to reject received digital content collections.

25. (Allowed) A digital content management [The] [system of claim 24],
comprising:
a storage for storing digital content collections, wherein a collection comprises a link reference to digital content, and meta-data describing selected ones of said digital content and the collection;
a communication agent communicatively coupled to the storage;
a receiver communicatively coupled to the communication agent, said receiver configured to inspect said meta-data and process the collection accordingly; and
a transmitter communicatively coupled to the communication agent, said transmitter configured to inspect the reference to digital content to confirm retrievability of the digital content, and to make the collection available to other digital content management systems.

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1 a policy checker configured to check digital content collections received by the
2 communication agent against a policy of the receiver;
3 a digital content collection editor, communicatively coupled to the policy checker,
4 said editor configured to change digital content collections to comply with the policy; and
5 a digital content collection rejecter, communicatively coupled to said editor, said
6 rejecter configured to reject received digital content collections;
7 wherein said digital content collection rejecter is configured to reject digital
8 content collections that cannot be edited to comply with the policy.

9 26. (Currently Amended) The system of claim 20, further comprising:
10 a search agent configured to locate digital content satisfying [a] search criteria,
11 said locating including searching the storage for satisfying digital content.

12 27. (Original) The system of claim 26, wherein the storage is
13 communicatively coupled to the system through a network connection.

14 28. (Currently Amended) A method for collecting and managing digital
15 content, comprising:

16 determining a first digital resource to include in a collection;
17 storing a first reference to the first resource in the collection;
18 determining a first meta-data of the first resource, said meta-data having a
19 structure related to a physical structure of a good associated with the digital resource;
20 storing said associated first meta-data in the collection;
21 storing the collection in a storage accessible by a receiver;

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1 inspecting, by the receiver, of the first meta-data ~~description~~; and
2 determining, based at least on said inspecting, whether to obtain the first
3 resource according to the first reference.

4 29. (Original) The method of claim 28, further comprising:
5 associating security data with the collection to facilitate detecting alterations to
6 the collection.

7 30. (Original) The method of claim 29 [28], further comprising:
8 determining compliance of the collection with a receiver policy;
9 editing the collection to conform the collection to the receiver policy; and
10 revising, by the receiver, said associated security in accordance with said editing.

11 31. (Allowed) The method of claim 30, wherein said revising comprises the
12 receiver cryptographically signing some or all of the collection, wherein said
13 cryptographically signing facilitates to facilitate identifying that said receiver performed
14 said revising.

15 32. (Original) The method of claim 28, further comprising:
16 logically structuring the collection to correspond to a physical good.

17 33-39. (Cancelled)

18 40. (Currently Amended) An article comprising a machine accessible medium
19 having instructions encoded thereon for collecting and managing digital content, said

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1 instructions, which when executed by a machine, are capable of directing the machine
2 to perform the operations of claim 1.

3 41. (Original) The article of claim 40, said instructions including further
4 instructions capable of directing the machine to perform the operations of claim 2.

5 42. (Original) An article comprising a machine accessible medium having
6 instructions encoded thereon for defining a manifest for digital content, said instructions,
7 which when executed by a machine, are capable of directing the machine to perform the
8 operations of claim 4.

9 43. (Currently Amended) The article of claim 42 [41], said instructions
10 including further instructions capable of directing the machine to perform the operations
11 of claim 7.

12 44. (Currently Amended) The article of claim 42 [43], said instructions
13 including further instructions capable of directing the machine to perform the operations
14 of claim 8.

15 45. (Original) An article comprising a machine accessible medium having
16 instructions encoded thereon for processing a collection of digital content received by a
17 receiver having at least one policy affecting receipt of collections, said instructions,
18 which when executed by a machine, are capable of directing the machine to perform the
19 operations of claim 16.

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1 46. (Original) The article of claim 45, said instructions including further
2 instructions capable of directing the machine to perform the operations of claim 17.

3 47. (Original) The article of claim 45, said instructions including further
4 instructions capable of directing the machine to perform the operations of claim 18.

5 48. (Original) The article of claim 45, said instructions including further
6 instructions capable of directing the machine to perform the operations of claim 19.

7 49. (Original) An article comprising a machine accessible medium having
8 instruction encoded thereon for collecting and managing digital content, said
9 instructions, which when executed by a machine, are capable of directing the machine
10 to perform the operations of claim 28.

11 50. (Currently Amended) The article of claim 49 [45], said instructions
12 including further instructions capable of directing the machine to perform the operations
13 of claim 29.

14 51-52 (Cancelled)